

Outgoing
M/001/0067

Peter Brinton <peterbrinton@utah.gov>

Hidden Treasure LMO - draft map review comments for the Sunrise pit, dumps, and haulroads

1 message

Peter Brinton <peterbrinton@utah.gov>

Wed, Aug 14, 2013 at 12:10 PM

To: Bob Bayer <bob@rjbayerpgeo.com>, Ron Wunderlich <rwunderlich@csmining.com>

Cc: Paul Baker <paulbaker@utah.gov>

Hi Bob,

Here are some draft map comments for the Hidden Treasure LMO partial review. They aren't complete for the entire review, and are mostly focused on the Sunrise area as requested. Bolded text in the comments indicates comments that will need to be addressed prior to approval of the Sunrise and haulroad portions of the new submittal. Some comments are not essential for the Sunrise and haulroads portions to be addressed, but may be convenient to address at the same time. Other map comments for other maps are forthcoming. Let me know if you have any specific questions or concerns about any comments.

If deleterious materials were identified in the Sunrise pit, a separate map would be needed to show that, but after our discussion yesterday, it sounds like there won't be any.

I spoke with Paul Baker, who believes that the truck shop should be included in the permit. Neither of us have checked the file for documentation of any past exclusion of the truck shop from permitting, so if you find out anything, let me know. I think he was going to ask Tom if he knows why it wasn't included. Unless you hear otherwise, please plan on including the truck shop in the NOI submittal that follows the Sunrise approval (ie. it's not needed immediately for Sunrise approval).


Ron, please keep Russel Alley in the loop as needed. Thanks.

Let me know if there are questions.

Peter

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 **REV-5496-06102013-MAPSdraft.pdf**
109K

DRAFT**1st REVIEW OF REVISION TO NOTICE OF INTENTION
TO COMMENCE LARGE MINING OPERATIONS****C.S. Mining LLC.
Hidden Treasure Mine****M/001/0067****DATE****R647-4-105 - Maps, Drawings & Photographs****General Map Comments**

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
	General	Some maps are not consistent with each other. Before the Division can approve the revision request, consistent maps that meet the Division's rules will need to be provided. Before the Division can approve an amendment to add the Sunrise pit, dump, and haul roads , affected maps will need to be consistent. It appears that some of the submitted maps could be removed, depending on which maps are modified to address these comments.	pnb	
	Fig(s) 12	Nice details for the Bawana pit. The Division recommends the same detail for the Sunrise expansion .	lah	
	Fig 17	It is the recommendation of the Division to include enough area around the Hidden Treasure pit for approximately 5 years of expansion. The pit expansion rate should match the dump expansion rate.	lah	
	All	It is the recommendation of the Division to do condemnation drilling before place dumps and waste piles	lah	

105.1 - Topographic base map, boundaries, pre-act disturbance

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
	Omission	No topographic base map of the site has been provided, and will be needed for final approval of the proposed revision to add the new facilities and tailings..	pnb	

105.2 - Surface facilities map

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
	Figure 1	The existing haul road is shown on Figure 1, but the new haul road from the Bawana pit to the Hidden Treasure pit is not shown. Revise Figure 1 to show the newly-proposed haul road .	pnb	
	Figure 1	Show the topsoil storage area(s) associated with the Sunrise mine .	pnb	
	Figure 1	Increase the scale of the map so that the entire Sunrise operations area , the truck shop area, other possible future mining areas, and well #3 are also shown on this	pnb	

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		figure. Hide the green SITLA boundary and the lode claim boundary that extend into the inset detail area.		
	Figure 1	Show the truck shop on		
	Figure 1	The "POD#3 FUTURE WELL" near the intermediate tailings facilities will need to be bonded prior to construction.	pnb	
	Figure 1	Show the magnetite concentrate stockpile area on this map, and on any other pertinent maps.	pnb	
	Figure 1	Show the approved contours for the Bawana pit, as has been shown for the Sunrise and Hidden Treasure pits. Also show the waste dump contours for the Bawana and Hidden Treasure dumps, as has been shown for the Sunrise dump.	pnb	
	Figure 1	On the surface facilities maps please list each structure in a table. The structure list must correspond to the list of surface facilities listed in the reclamation cost estimate.	whw	
	Figure 1	Since roads and other features (like the tailings disposal facilities and pit and dump boundaries) are identified using identical or very similar linetypes, somehow distinguish between different features, such as by using other line colors or line types. Wells, drillholes or other features represented by unidentified dots should be distinguishable, if they are not intended to be kept confidential. Modify the legend and features accordingly.	pnb	
	Figure 10 (etc.)	On this and other maps, the same dashed lines appear to have been used to indicate both the existing toe of waste dump and existing mining roads. The legend and linetypes should be updated to clearly identify the differences.	pnb	
	Figure 12a	It appears that the new haul road may need to be built in the area shown as a topsoil storage area. Also, while the toe of the reclaimed waste dump is identified, it is unclear whether the purple bonded disturbance area needs to be divided along the toe of the old dumps.	pnb	
	Figure 12b	Since the new haul road isn't shown on Figure 12a (see general map comments), the reclamation on this map does not appear to consider the reclamation of the new haul road.	pnb	
	Figure 13	In the legend, identify the purple hatched long rectangular polygons (also not identified on Figure 10), and what appear to be topsoil storage areas.	pnb	
	Figures 14 & 17 (etc.)	The new haul road route shown on Figures 14 and 17 is not shown on most or all of the other maps (such as Figure 1, and Figures 9 through 13). For consistency, either Figures 14 and 17 need to be updated to include the other information provided on the other maps, or the other maps of this area and the text on page 11 need to be corrected to indicate the new haul road..	pnb	
	Figure 16a	Remove the historical site location on this map, since historical sites are to be kept confidential by the Division. Also, it is understood that the haul road from the Sunrise area to the Bawana area will be rerouted to avoid the historical site. Show the latest haul road location.	pnb	
	Figure 16a	Provide additional elevation contours and elevation text for the entire Sunrise area.	pnb	
	Figure 16b	The reclamation treatment map (post-reclamation map) for the Sunrise area has not been included. A map similar to 12b and ___ should be provided to the Division. This map will need to be consistent with the Notice's reclamation plan for the Sunrise area.	pnb	
	Figure 15	It appears that a figure 15 was omitted. Renumber figures as needed.	pnb	
	Figure 17	It is not clear without referencing other maps what all of the black lines identify on this map. Provide more detail on this map, or modify the original maps to show the proposed haul roads, unless another map is used to replace this map.	pnb	
	Omission	Provide a map showing a layout of the truck shop facilities.	pnb	

DRAFT**105.3 - Drawings or Cross Sections (slopes, roads, pads, geology, etc.)**

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
	Omission	Geologic lithology and structural maps are needed, and the amount of text required in 106.8 can be reduced with good geological maps	lah	